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JANUARY 1938

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Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

- The border method of irrigation. Samuel Fortier, Bureau of Agricultural Engineering. 22 p., illus. (F. B. 1243F., rev.) Price, 5¢.
- Safe use and storage of gasoline and kerosene on the farm. Bureaus of Chemistry and Soils, Agricultural Engineering, and Agricultural Economics, in cooperation with the National Fire Protection Association. 14 p., illus. (F. B. 1678F., rev.) Price, 5¢.
- Beef-cattle breeds for beef and for beef and milk. W. H. Black, Bureau of Animal Industry. 21 p., illus. (F. B. 1779F.) Price, 5¢.
- Indicators of southwestern range conditions. M. W. Talbot, Forest Service. 35 p., illus. (F. B. 1782F.) Price, 10¢.
- Blue mold (downy mildew) disease of tobacco. E. E. Clayton and J. G. Gaines, Bureau of Plant Industry. 16 p., illus. (F. B. 1799F.) Price, 5¢.

TECHNICAL BULLETINS

- Chemical and physical studies of certain Hawaiian soil profiles. George J. Hough and Horace G. Byers, Bureau of Chemistry and Soils. 27 p., illus. (T. B. 584T.) Price, 10¢.
- Effect of fertilizers on composition of soybean hay and seed and of crop management on carbon, nitrogen, and reaction of Norfolk sand. J. E. Adams, H. M. Boggs, and E. M. Roller, Bureau of Plant Industry; in cooperation with the South Carolina Agricultural Experiment Station. 35 p., illus. (T. B. 586T.) Price, 10¢.
- Consumption and production of tobacco in Europe. J. B. Hutson. 115 p., illus. (T. B. 587T.) Price, 15¢.
- Certain chemical and physical changes produced in Kieffer pears during ripening and storage. J. M. Lutz and C. W. Culpepper, Bureau of Plant Industry. 38 p., illus. (T. B. 590T.) Price, 10¢.
- Factors affecting the rate of drying of Kieffer pears. C. W. Culpepper and H. H. Moon, Bureau of Plant Industry. 31 p., illus. (T. B. 592T.) Price, 5¢.
- Lag-screw joints: Their behavior and design. J. A. Newlin and J. M. Gahagan, Forest Service. 27 p., illus. (T. B. 597T.) Price, 10¢.

CIRCULARS

- Industrial fumigation against insects. E. A. Back and R. T. Cotton, Bureau of Entomology and Plant Quarantine. 60 p., illus. (Cir. 369C., rev.) Price, 10¢.
- Poultry management in subtropical, semiarid climates. Burt W. Heywang, Bureau of Animal Industry. 20 p., illus. (Cir. 446C.) Price, 5¢.
- An economic study of cattle business on a southwestern semidesert range. Matt J. Culley, Forest Service. 24 p., illus. (Cir. 448C.) Price, 5¢.
- Influence of climatological factors in the development of cercospora foot rot of winter wheat. Roderick Sprague, Bureau of Plant Industry; in cooperation with Oregon, Washington, and Idaho Agricultural Experiment Stations. 40 p., illus. (Cir. 451C.) Price, 10¢.

Preparation of pathological specimens from animal tissues and their mounting under watch glasses. John E. Bengston, Bureau of Animal Industry. 14 p., illus. (Cir. 454C.) Price, 5¢.

Silver fox pelt prices as affected by time of pelting, sex, and age. Chas. E. Kellogg, Bureau of Biological Survey. 28 p., illus. (Cir. 460C.) Price, 10¢.

Two new varieties of sugarcane for sirup production. B. A. Belcher and S. F. Sherwood, Bureau of Plant Industry. 4 p. (Cir. 461C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

Advantages of standards for livestock and meats. C. E. Gibbons, Bureau of Agricultural Economics. 8 p., illus. (M. P. 33M., rev.) Price, 5¢.

Careers in forestry. Forest Service. 16 p. (M. P. 249M.) Price, 5¢.

A graphic summary of farm labor and population. (Based largely on the census of 1930 and 1935.) J. C. Folsom and O. E. Baker, Bureau of Agricultural Economics. 48 p., illus. (M. P. 265M.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

To prevent the spread of splenetic or tick fever in cattle. Rule 1, revision 36. Effective on and after December 1, 1937. Bureau of Animal Industry. 2 p. (B. A. I. Order 363.)¹

Bureau of Animal Industry. Service and regulatory announcements. November 1937. Pp. 123-135. (S. R. A.-B. A. I. 367.) Price, 5¢ each.²

Laws and regulations for the administration of national wildlife refuges. Bureau of Biological Survey. Service and regulatory announcements. 10 p. (S. R. A.-B. S. 90.)¹

Modification of Dutch elm disease quarantine regulations. Revision of regulation 3. Effective November 9, 1937. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-Q. 71.)¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 199-247. (N. J., F. D. 27401-27525). Foods.¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 249-283. (N. J., F. D. 27526-27575). Drugs.¹

OTHER PUBLICATIONS

Better land use. A program of action. Bureau of Agricultural Economics. [4 p.], illus. Folder.¹

Cook pork and its products thoroughly. Bureau of Animal Industry. Series A. I. 39. [4 p.], illus.¹

Farm tenant loans. Farm Security Administration. [6 p.], illus. Folder.¹

Report of the Administrator of the Resettlement Administration, 1937. Will W. Alexander. 19 p. Price, 5¢.

Report of the Chief of the Bureau of Agricultural Economics, 1937. A. G. Black. 21 p. Price, 5¢.

Report of the Chief of the Bureau of Biological Survey, 1937. Ira N. Gabrielson. 63 p. Price, 10¢.

Report of the Chief of the Bureau of Chemistry and Soils, 1937. Henry G. Knight. 54 p. Price, 10¢.

Report of the Chief of the Bureau of Entomology and Plant Quarantine, 1937. Lee A. Strong. 98 p. Price, 15¢.

Report of the Chief of the Bureau of Plant Industry, 1937. Frederick D. Richey. 34 p. Price, 10¢.

Report of the Chief of the Soil Conservation Service, 1937. H. H. Bennett. 51 p. Price, 10¢.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other Publications

AGRICULTURAL ADJUSTMENT ADMINISTRATION

Apple recipes. Recipes from Bureau of Home Economics. [8 p.] Folder. Price, 5¢ each. \$1.00 per hundred.

DM-2. Some problems involved in establishing milk prices. E. W. Gaumnitz and O. M. Reed. 227 p.¹

GCM-4. Some problems in marketing tomatoes grown in the lower Rio Grande Valley of Texas. 12 p.¹

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 22, no. 1, January 1, 1938. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.¹

Crops and markets. Vol. 14, no. 12, December 1937. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.¹

Experiment station record. Vol. 78, no. 1, January 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.¹

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 9, no. 1, January 1938. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢ domestic; 20¢ foreign.¹ Not distributed free to individuals.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

Calif.-89. (In vol. 55, no. 8.) Foot rot of China-aster, annual stock, and Transvaal daisy caused by *Phytophthora cryptogea*. C. M. Tompkins and C. M. Tucker.

¹ These may be obtained from the issuing bureau.

² These may be obtained free upon application to the Agricultural Adjustment Administration.



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Journal of agricultural research—Continued.

- Colo.-10. (In vol. 55, no. 7.) Factors affecting chlorosis in irrigated wheat. D. W. Robertson and Robert Gardner.
- E-71. (In vol. 55, no. 8.) Distribution and variation with maturity of dissolved solids, sucrose, and titratable acidity in the sorgo stalk. Emil K. Ventre and S. Byall.
- G-1061. (In vol. 55, no. 7.) Cross transfer of mineral nutrients in the tobacco plant. J. E. McMurtrey, Jr.
- G-1062. (In vol. 55, no. 7.) Physiologic races of *Tilletia tritici* and *T. levis*. H. A. Rodenhiser and C. S. Holton.
- G-1063. (In vol. 55, no. 7.) *Fusarium* resistance in Wisconsin All Seasons cabbage. L. M. Blank.
- Mich.-31. (In vol. 55, no. 7.) Factors influencing the ripening season of sour cherries. V. R. Gardner.
- Mich.-32. (In vol. 55, no. 8.) A formula for reducing the computations necessary to find the variance of a set of averages. William Dowell Baten.
- Minn.-101. (In vol. 55, no. 8.) The uronic acid content of the nitrogen-free extract of feeding stuffs. G. A. Guanzon and W. M. Sandstrom.
- Minn.-102. (In vol. 55, no. 7.) Observations on the variations in cyanogenetic power of white clover plants. Charles F. Rogers and O. C. Fryholm.
- Wis.-87. (In vol. 55, no. 6.) Potentialities of eradicant fungicides for combating apple scab and some other plant diseases. G. W. Keitt and D. H. Palmiter.
- Wis.-88. (In vol. 55, no. 6.) The toxicity of copper-lime-arsenic mixtures to certain phytopathogenic fungi grown on malt agar plates. D. H. Palmiter and G. W. Keitt.
- Wis.-89. (In vol. 55, no. 8.) Relation of water-soaked tissues to infection by *Bacterium angulatum* and *Bact. tabacum* and other organisms. James Johnson.
- Wis.-90. (In vol. 55, no. 7.) Macrosporogenesis and embryo-sac development in *Euchlaena mexicana* and *Zea mays*. D. C. Cooper.
- Wis.-91. (In vol. 55, no. 8.) Effect of species of host plant on nitrogen fixation in *Melilotus*. P. W. Wilson, J. C. Burton, and V. S. Bond.

Vol. 55, no. 9, November 1; no. 10, November 15, 1937.

Monthly weather review. Vol. 65, no. 10, October 1937. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution. Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 18, no. 11, January 1938. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 3, no. 7, January 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 1-4, January 4-25, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.²

Glves detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ These may be obtained from the issuing bureau.

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